Project Title	Funding	Strategic Plan Objective	Institution
Assessing the accuracy of rapid phenotyping of nonverbal autistic children	$0	Q1.S.A	Kennedy Krieger Institute
Dissemination of multi-stage screening to underserved culturally-diverse families	$0	Q1.S.C	University of Massachusetts, Boston
Biomarkers for autism and for gastrointestinal and sleep problems in autism	$0	Q1.L.A	Yale University
Neurophysiological investigation of language acquisition in infants at risk for ASD	$0	Q1.L.A	Boston University
Placental vascular tree as biomarker of autism/ASD risk	$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)
Abnormal vestibulo-ocular reflexes in autism: A potential endophenotype	$0	Q1.L.A	University of Florida
Dynamics of cortical interactions in autism spectrum disorders	$0	Q1.L.A	Cornell University
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
Epigenetic biomarkers of autism in human placenta	$0	Q1.L.A	University of California, Davis
Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	$0	Q1.L.A	Yale University
Serum antibody biomarkers for ASD	$0	Q1.L.A	University of Texas Southwestern Medical Center
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
CDI-Type I: Understanding regulation of visual attention in autism through computational and robotic modeling	$0	Q1.L.B	Yale University
A novel quantitative framework to study lack of social interactions in autism	$0	Q1.L.B	Rutgers, The State University of New Jersey - New Brunswick
Family studies of sensorimotor and neurocognitive heterogeneity in autism spectrum disorders (ASD)	$0	Q1.L.B	University of Texas Southwestern Medical Center
HCC: Medium: Automatic detection of atypical patterns in cross-modal affect	$0	Q1.L.B	Oregon Health & Science University
Identifying neurobiological markers of the broader autism phenotype	$0	Q1.L.B	University of Melbourne
Predicting outcomes in autism with functional connectivity MRI	$0	Q1.L.B	National Institute of Mental Health
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	$0	Q1.L.C	Johns Hopkins University
Characterizing ASD phenotypes by multimedia signal and natural language processing	$0	Q1.L.C	Columbia University
Language learning in autism	$0	Q1.L.C	Georgetown University

Project Title	Funding	Strategic Plan Objective	Institution
Prosodic and pragmatic processes in highly verbal children with autism	$0	Q1.L.C	President & Fellows of Harvard College
Atypical pupillary light reflex in individuals with autism	$0	Q1.Other	University of Missouri
INT2-Large: Collaborative research: Developing social robots	$0	Q1.Other	University of Miami
Dissertation research: Translating diagnoses across cultures: Expertise, autism, and therapeutics of the self in Morocco	$0	Q1.Other	Columbia University
INT2-Large: Collaborative research: Developing social robots	$0	Q1.Other	University of California, San Diego
Social and statistical mechanisms of prelinguistic vocal development	$0	Q1.Other	Cornell University
Leadership Education in Neurodevelopmental Disabilities	$2,500	Q1.S.B	University of Alabama at Birmingham
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$10,000	Q1.L.B	New England Center for Children
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	$15,000	Q1.L.A	Harvard University
Postural and vocal development during the first year of life in infants at heightened biological risk for AS	$30,000	Q1.L.A	University of Pittsburgh
Neural correlates of social perception in autism	$30,000	Q1.L.C	Yale Child Study Center
Social-emotional development of infants at risk for autism spectrum disorders (supplement)	$39,002	Q1.L.B	University of Washington
Identifying early biomarkers for autism using EEG connectivity	$40,000	Q1.L.A	Boston Children's Hospital
South Carolina Children's Educational Surveillance Study: Comparison of DSM-IV & DSM-5 prevalence	$43,198	Q1.Other	Medical University of South Carolina
ASD prevalence by DSM-IV and DSM-5: Total population study	$44,660	Q1.Other	Nathan Kline Institute
Improved early detection of autism using novel statistical methodology	$49,880	Q1.L.B	Yale University
Validation of a screening questionnaire for ASD in older children	$50,000	Q1.S.A	Southwest Autism Research & Resource Center (SARRC)
Intelligent data capture and assessment technology for developmental disabilities	$50,000	Q1.S.A	Caring Technologies/Southwestern Autism Research & Resource Center (SARRC)
Baby Siblings Research Consortium	$50,000	Q1.S.B	Autism Speaks (AS)
Family/genetic study of autism	$50,000	Q1.L.A	Southwest Autism Research & Resource Center (SARRC)
Validity of an anxious subtype in autism spectrum disorders	$50,294	Q1.L.B	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Sensory experiences in children with autism (supplement)	$51,920	Q1.Other	University of North Carolina at Chapel Hill
Measuring imitation and motor control in severe autism	$59,256	Q1.L.C	University of Washington
Characterizing autism-related intellectual impairment and its genetic mechanisms	$59,443	Q1.S.B	The Children's Hospital of Philadelphia
Autism and the RASopathies	$60,000	Q1.S.B	University of California, San Francisco
ERK signaling and autism: Biomarker development	$60,000	Q1.L.B	University of California, San Francisco
Extracellular signal-related kinase biomarker development in autism	$60,889	Q1.L.B	Cincinnati Children's Hospital Medical Center - Research Foundation
Visual attention and fine motor coordination in infants at risk for autism	$73,123	Q1.L.A	University of Connecticut
Mobilized technology for rapid screening and clinical prioritization of ASD	$73,456	Q1.S.B	Harvard Medical School
Cultural equivalence of autism assessment for Latino children	$74,250	Q1.S.B	University of Wisconsin - Madison
Looking at autism through the nose	$75,000	Q1.L.C	Weizmann Institute of Science
Components of limited activity monitoring in toddlers with ASD	$82,896	Q1.L.B	Yale University
Analysis of cultural appropriateness and necessary modifications of the Survey of Well Being for Young Children on Native American reservations	$100,000	Q1.S.B	University of Colorado Denver
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	$106,218	Q1.Other	Cornell University
Functional brain networks in autism and attention deficit hyperactivity disorder	$112,359	Q1.L.B	Oregon Health & Science University
Identification of candidate serum antibody biomarkers for ASD	$118,338	Q1.L.B	University of Texas Southwestern Medical Center
Using Parent Report to Identify Infants Who Are at Risk for Autism Spectrum Disorder (ASD)	$128,314	Q1.S.B	University of North Carolina
Electrophysiological correlates of cognitive control in autism	$130,898	Q1.L.B	University of California, Davis
Intersensory perception of social events: Typical and atypical development	$134,355	Q1.L.C	Florida International University
Georgia Tech Non-Invasive Gaze Tracking Project	$140,347	Q1.S.B	Georgia Tech Research Corporation
Novel metabolic biomarker for autism spectrum disorder	$148,327	Q1.S.E	Greenwood Genetic Center
Sensory integration and language processing in autism	$149,556	Q1.L.C	University of Rochester
Biomarkers and diagnostics for ASD	$149,600	Q1.S.A	Institute of Biotechnology
Validation of web-based administration of the M-CHAT-R with Follow-up (M-CHAT-R/F)	$149,999	Q1.S.B	Georgia State University

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An MEG investigation of neural biomarkers and language in nonverbal children with autism spectrum disorders	$154,617	Q1.L.A	University of Colorado Denver
The intersection of autism and ADHD	$160,519	Q1.L.B	Washington University in St. Louis
Translational developmental neuroscience of autism	$168,116	Q1.L.B	New York University School of Medicine
Reducing barriers to autism care in Latino children	$179,521	Q1.S.C	Oregon Health & Science University
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	$180,000	Q1.L.A	University of North Carolina at Chapel Hill
Neural predictors of language function after intervention in children with autism	$181,332	Q1.L.B	University of California, Los Angeles
Developmental social neuroscience in infants at-risk for autism	$181,367	Q1.L.C	Yale University
Sensory based CNS diagnostics for the clinic	$181,885	Q1.S.B	University of North Carolina at Chapel Hill
ACE Center: Neural assays and longitudinal assessment of infants at very high risk for ASD	$186,019	Q1.L.A	University of California, Los Angeles
The use of interactive television in identifying autism in young children	$188,750	Q1.S.A	University of Kansas Medical Center
Sensor-based technology in the study of motor skills in infants at risk for ASD	$191,070	Q1.L.A	University of Pittsburgh
Gene dosage imbalance in neurodevelopmental disorders (supplement)	$195,000	Q1.S.E	Weis Center for Research - Geisinger Clinc
ACE Center: The ontogeny of social vocal engagement and its derailment in autism	$201,683	Q1.L.A	Emory University
Developing fNIRS as a brain function indicator in at-risk infants	$205,199	Q1.L.A	Birkbeck College
A network approach to the prediction of autism spectrum disorders	$223,949	Q1.L.A	Indiana University
Analyses of brain structure and connectivity in young children with autism	$238,042	Q1.L.B	University of California, Davis
The impact of uncertainty in genome-wide testing for autism spectrum disorder	$240,000	Q1.S.E	University of Pennsylvania
ACE Center: Auditory mechanisms of social engagement	$257,504	Q1.Other	Yale University
EEG complexity trajectory as an early biomarker for autism	$261,000	Q1.L.A	Boston Children's Hospital
Divergent biases for conspecifics as early markers for autism spectum disorders	$269,604	Q1.L.A	New York University
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	$272,164	Q1.L.A	University of California, San Diego
Electrophysiological, metabolic and behavioral markers of infants at risk	$273,152	Q1.L.A	Boston Children's Hospital

Project Title	Funding	Strategic Plan Objective	Institution
Growth charts of altered social engagement in infants with autism	$273,481	Q1.L.A	Emory University
ACE Center: Gaze perception abnormalities in infants with ASD	$286,420	Q1.L.A	Yale University
ACE Center: Eye-tracking studies of social engagement	$287,074	Q1.L.B	Yale University
The development of joint attention after infancy	$291,832	Q1.L.C	Georgia State University
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	$302,820	Q1.L.A	University of California, San Diego
Development of intermodal perception of social events: Infancy to childhood	$310,903	Q1.L.C	Florida International University
Perception of social and physical contingencies in infants with ASD	$312,944	Q1.L.B	Emory University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$313,753	Q1.L.B	Trustees of Boston University
Development of a novel biomarker test for autism risk screening	$336,569	Q1.S.A	Xen Biofluidx, Inc.
Extraction of functional subnetworks in autism using multimodal MRI	$360,294	Q1.L.B	Yale University
Early social and emotional development in toddlers at genetic risk for autism	$369,179	Q1.L.A	University of Pittsburgh
Neural economics of biological substrates of valuation	$379,913	Q1.L.C	Virginia Polytechnic Institute and State University
Language development and outcome in children with autism	$397,425	Q1.L.C	University of Connecticut
Development of face processing in infants with autism spectrum disorders	$409,613	Q1.L.B	Yale University
Social evaluation in infants and toddlers	$409,613	Q1.L.B	Yale University
Restricted repetitive behavior in autism	$416,315	Q1.L.B	University of North Carolina at Chapel Hill
Brain-behavior growth charts of altered social engagement in ASD infants	$431,189	Q1.L.A	Yale University
Multimedia tool for psychology graduate student ASD assessment training	$447,062	Q1.S.A	Virtual Reality Aids, Inc.
E-Quality Measures development	$450,000	Q1.S.C	MITRE
Sensory experiences in children with autism	$472,116	Q1.Other	University of North Carolina at Chapel Hill
The ontogeny of social visual engagement in infants at risk for autism	$473,149	Q1.L.A	Emory University
Computer Assisted Autism Care (CAAC)	$490,038	Q1.S.B	Indiana University-Purdue University Indianapolis
Test of integrated language and literacy skills validation research	$496,164	Q1.Other	Western Michigan University
RNA expression studies in autism spectrum disorders	$500,000	Q1.L.A	Boston Children's Hospital

Project Title	Funding	Strategic Plan Objective	Institution
ACE Center: Assessment Core	$510,544	Q1.L.A	Yale University
fcMRI in infants at high risk for autism	$584,566	Q1.L.A	Washington University in St. Louis
Infants at risk of autism: A longitudinal study	$587,150	Q1.L.A	University of California, Davis
Early quantitative characterization of reciprocal social behavior	$590,421	Q1.L.C	Washington University in St. Louis
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$600,000	Q1.L.B	Massachusetts Institute of Technology
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$600,000	Q1.L.B	University of Illinois at Urbana Champaign
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$600,000	Q1.L.B	University of Southern California
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$600,658	Q1.L.B	Carnegie Mellon University
Social-emotional development of infants at risk for autism spectrum disorders	$662,677	Q1.L.B	University of Washington
Subtyping of toddlers with ASD based on patterns of social attention deficits	$665,455	Q1.L.B	Yale University
Gene dosage imbalance in neurodevelopmental disorders	$689,795	Q1.S.E	Weis Center for Research - Geisinger Clinc
Social-affective bases of word learning in fragile X syndrome and autism	$703,969	Q1.Other	University of California, Davis
Predicting useful speech in children with autism	$726,467	Q1.L.B	Vanderbilt University Medical Center
Intelligent data capture and assessment technology for developmental disabilities	$744,906	Q1.S.B	Caring Technologies, Inc.
Autism: Social and communication predictors in siblings	$805,136	Q1.L.A	Kennedy Krieger Institute
Toward outcome measurement of anxiety in youth with autism spectrum disorders	$829,922	Q1.L.B	Yale University
Neurobehavioral research on infants at risk for SLI and autism	$944,962	Q1.L.A	Boston University
Early detection of pervasive developmental disorders	$992,563	Q1.S.A	University of Connecticut
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$1,314,749	Q1.L.B	Georgia Tech Research Corporation
Physical and clinical infrastructure for research on infants at risk for autism	$1,549,665	Q1.L.A	Emory University
Clinical and behavioral phenotyping of autism and related disorders	$2,241,297	Q1.L.B	National Institutes of Health

Project Title	Funding	Strategic Plan Objective	Institution
ACE Network: Early biomarkers of autism spectrum disorders in infants with tuberous sclerosis	$2,649,781	Q1.L.A	Boston Children's Hospital